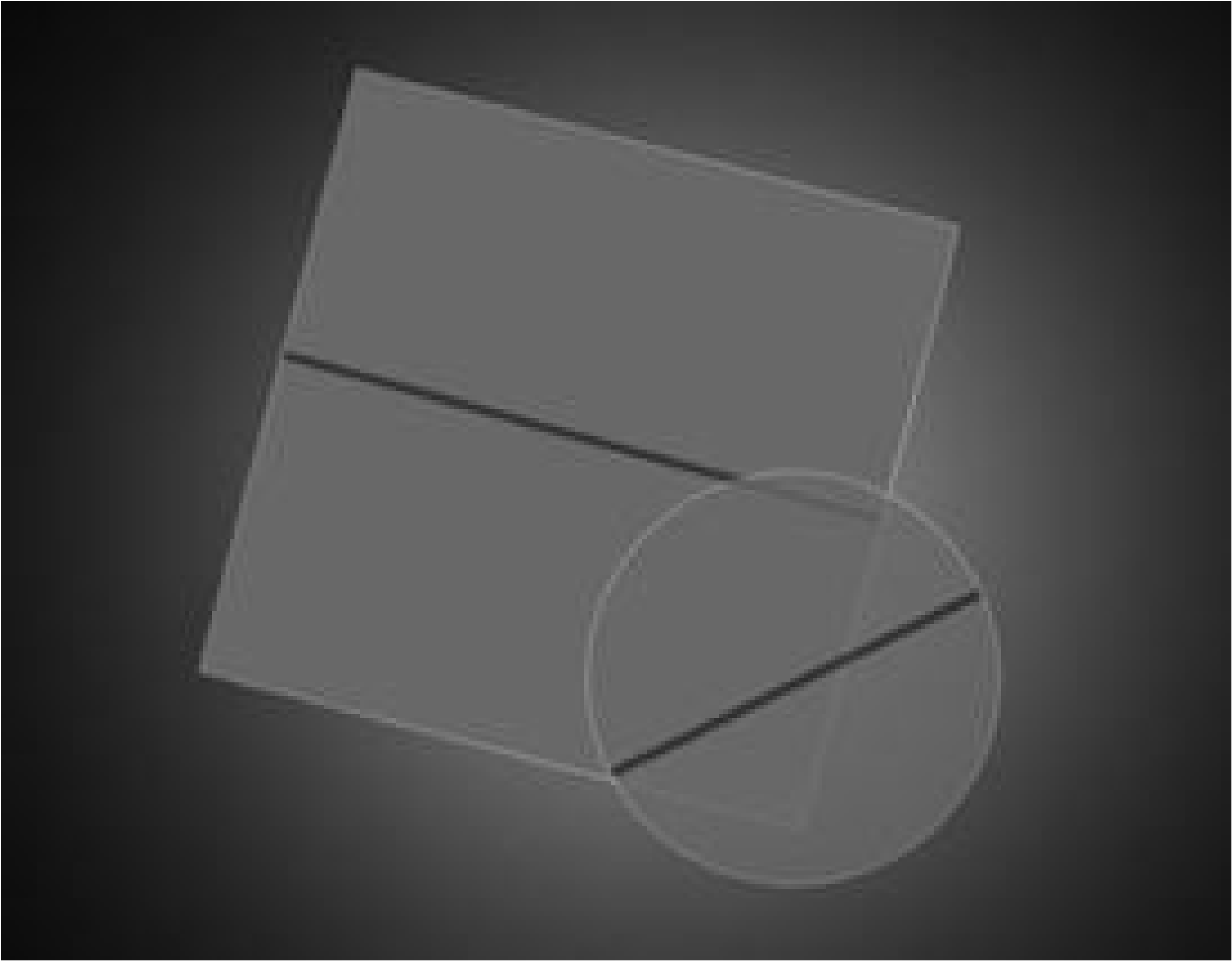


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10mm Dia. XP-NIR Commercial Grade NIR Polarizing Film



Stock **#73-337** NEW **20+ In Stock**

-

1

+

C\$35^{.70}

ADD TO CART

Volume Pricing	
Qty 1-10	C\$35.70 each
Qty 11-25	C\$28.56 each
Qty 26-49	C\$25.06 each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

Note:

Delivered with protective film on both sides
Polarization axis indicated by notch cut into edge (circular parts) or stripe on protective film
Pressure Sensitive Adhesive (PSA) on one side

Physical & Mechanical Properties

10.00 +0/-0.3	Diameter (mm):
0.21 +/- 0.025	Thickness (mm):
Polarizing Film	Construction:
Optical Properties	
Uncoated	Coating:
>160:1 from 800-1000nm (Average, Typical)	Extinction Ratio:
XP-NIR Polarizing Film	Substrate: □
800 - 1000	Wavelength Range (nm):
>99.0 @ 860nm	Polarization Efficiency (%):
35 +/- 3.0 @860nm	Transmission, Single (%):
Environmental & Durability Factors	
Heat Resistance (°C x Hours): 105C x 500h (dry) Change in single transmittance @ 870nm <+/-5% 60C x 1000h (90% humidity) Change in single transmittance @ 870nm <+/-5% from initial value, change in polarization efficiency @ 870nm <-3% from initial value	
Cold Resistance (°C x Hours): -40C x 1000h Change in single transmittance @ 870nm <+/-5% from initial value Change in polarization efficiency @ 870nm <-3% from initial value	
Regulatory Compliance	
View	Certificate of Conformance:

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Optimized Performance Between 800-1000nm
 - Ideal for Sensing and Inspection Applications
 - Available in Sizes up to 600 x 900mm
 - [Near-Infrared \(NIR\) Linear Polarizing Film](#) and [High Contrast Near-Infrared \(NIR\) Polarizing Film](#) also Available for Broadband IR Applications
- Commercial Grade NIR Polarizing Film (XP-NIR) offers a cost-effective solution for polarization applications in the 800-1000nm range. This film offers contrast ratios of >160:1 (Average) and >99% polarization efficiency in the specified range, and its high environmental resistance makes it a great choice for demanding environments. Commercial Grade NIR Polarizing Film (XP-NIR) is delivered with a pressure sensitive adhesive (PSA) on one side and is available in circular or rectangular sizes, with up to a 50mm diameter or a 600 x 900mm format. This film is ideal for commercial sensing, inspection, and LIDAR applications.

Note: Custom sizes available up to 1000mm

Technical Information

